IN THE CLAIMS

Please amend claims 1, 4, 6, 9, 11, 14, 16 and 19 as follows:

1. (CURRENTLY AMENDED) A method of embedding a watermark in digital data, comprising:

(a) scaling the digital data to a standardized size;

(b) performing a Discrete Fourier Transform (DFT) on the scaled digital data;

(c) computing a magnitude domain of the Discrete Fourier Transform;

(d) embedding each bit of the watermark into a feature element of a band of circular rings generated from selected frequency bands of the computed magnitude domain of the Discrete Fourier Transform, thereby creating a watermarked magnitude domain; and

(e) performing an inverse Discrete Fourier Transform on the watermarked magnitude domain to reconstruct the digital data with the embedded watermark.

2. (ORIGINAL) The method of claim 1, further comprising extracting a Y component of a Y, U(Cb), V(Cr) digital data stream representing color components of digital video as the digital data.

3. (ORIGINAL) The method of claim 1, wherein the selected frequency bands comprise one or more middle frequency bands.

4. (CURRENTLY AMENDED) The method of claim 3, wherein the middle frequency bands comprise [[a]] the band of circular rings of the magnitude domain.

5. (CANCELED)

6. (CURRENTLY AMENDED) An apparatus for embedding a watermark in digital data, comprising:

(a) means for scaling the digital data to a standardized size;

(b) means for performing a Discrete Fourier Transform (DFT) on the scaled digital data;

(c) means for computing a magnitude domain of the Discrete Fourier Transform;

(d) means for embedding each bit of the watermark into a feature element of a band of circular rings generated from selected frequency bands of the computed magnitude domain of the Discrete Fourier Transform, thereby creating a watermarked magnitude domain; and

(e) means for performing an inverse Discrete Fourier Transform on the watermarked magnitude domain to reconstruct the digital data with the embedded watermark.

7. (ORIGINAL) The apparatus of claim 6, further comprising means for extracting a Y component of a Y, U(Cb), V(Cr) digital data stream representing color components of digital video as the digital data.

8. (ORIGINAL) The apparatus of claim 6, wherein the selected frequency bands comprise one or more middle frequency bands.

9. (CURRENTLY AMENDED) The apparatus of claim 8, wherein the middle frequency bands comprise [[a]] the band of circular rings of the magnitude domain.

10. (CANCELED)

11. (CURRENTLY AMENDED) A method of detecting a watermark in digital data, comprising:

(a) scaling the digital data to a standardized size;

(b) performing a Discrete Fourier Transform (DFT) on the scaled digital data;

(c) computing a magnitude domain of the Discrete Fourier Transform; and

(d) extracting each bit of the watermark from a feature element of a band of circular rings generated from selected frequency bands of the computed magnitude domain of the Discrete Fourier Transform.

12. (ORIGINAL) The method of claim 11, further comprising extracting a Y component of a Y, U(Cb), V(Cr) digital data stream representing color components of digital video as the digital data.

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13. (ORIGINAL) The method of claim 11, wherein the selected frequency bands comprise one or more middle frequency bands.

14. (CURRENTLY AMENDED) The method of claim 13, wherein the middle frequency bands comprise [[a]] the band of circular rings of the magnitude domain.

15. (CANCELED)

16. (CURRENTLY AMENDED) An apparatus for detecting a watermark in digital data, comprising:

(a) means for scaling the digital data to a standardized size;

(b) means for performing a Discrete Fourier Transform (DFT) on the scaled digital data;

(c) means for computing a magnitude domain of the Discrete Fourier Transform; and

(d) means for extracting each bit of the watermark from a feature element of a band of circular rings generated from selected frequency bands of the computed magnitude domain of the Discrete Fourier Transform.

17. (ORIGINAL) The apparatus of claim 16, further comprising means for extracting a Y component of a Y, U(Cb), V(Cr) digital data stream representing color components of digital video as the digital data.

18. (ORIGINAL) The apparatus of claim 16, wherein the selected frequency bands comprise one or more middle frequency bands.

19. (CURRENTLY AMENDED) The apparatus of claim 18, wherein the middle frequency bands comprise [[a]] the band of circular rings of the magnitude domain.

20. (CANCELED)

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